

GenCore version 5.1.3
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OM protein - protein search, using sw model

Run on: December 25, 2002, 01:11:27 ; Search time 27 Seconds
(without alignments)
451.151 Million cell updates/sec

Title: US-09-708-724a-2

Perfect score: 2187

Sequence: 1 MGPWSVVLVCGHGGGCOAL.....LLAVTREGLEIRRIISKRRAE 414

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 262574 seqs, 29422922 residues

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA:*

- 1: /cgn2_6/ptodata/1/iaa/5A_COMB.pep.*
- 2: /cgn2_6/ptodata/1/iaa/5B_COMB.pep.*
- 3: /cgn2_6/ptodata/1/iaa/6A_COMB.pep.*
- 4: /cgn2_6/ptodata/1/iaa/6B_COMB.pep.*
- 5: /cgn2_6/ptodata/1/iaa/PCUTUS_COMB.pep.*
- 6: /cgn2_6/ptodata/1/iaa/backfiles1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	128	5.9	1593	4	US-08-628-829-4
2	117	5.3	905	2	US-08-574-359A-9
3	117	5.3	905	4	US-09-357-014-9
4	116.5	5.3	1290	4	US-09-150-460B-6
5	111.5	5.1	1043	3	US-08-928-361B-30
6	111.5	5.1	1721	3	US-08-700-651-5
7	111.5	5.1	1721	3	US-08-928-361B-6
8	111	5.1	1481	2	US-08-616-844-40
9	111	5.1	1481	2	US-08-599-654-40
10	111	5.1	1481	3	US-08-944-868A-40
11	111	5.1	1481	3	US-08-944-423A-40
12	111	5.1	1481	3	US-08-944-496-40
13	108.5	5.0	1231	2	US-08-231-193A-48
14	108.5	5.0	1231	2	US-08-486-273A-48
15	108.5	5.0	1231	3	US-08-480-474-48
16	108.5	5.0	1231	3	US-08-940-086A-48
17	108.5	5.0	1231	4	US-08-940-035A-48
18	108.5	5.0	1231	4	US-08-935-105A-48
19	108.5	5.0	1231	4	US-09-648-797-48
20	108.5	5.0	1236	2	US-08-231-193A-6
21	108.5	5.0	1236	2	US-08-486-273A-6
22	108.5	5.0	1236	3	US-08-480-474-6
23	108.5	5.0	1236	3	US-08-940-086A-6
24	108.5	5.0	1236	4	US-08-940-035A-6
25	108.5	5.0	1236	4	US-08-935-105A-6
26	108.5	5.0	1236	4	US-09-648-797-6
27	108	4.9	1214	2	US-08-231-193A-54

28	108	4.9	1214	2	US-08-486-273A-54	Sequence 54, Appl
29	108	4.9	1214	3	US-08-480-474-54	Sequence 54, Appl
30	108	4.9	1214	3	US-08-940-086A-54	Sequence 54, Appl
31	108	4.9	1214	4	US-08-940-035A-54	Sequence 54, Appl
32	108	4.9	1214	4	US-08-935-105A-54	Sequence 54, Appl
33	108	4.9	1214	4	US-09-648-797-54	Sequence 54, Appl
34	108	4.9	1219	2	US-08-231-193A-50	Sequence 50, Appl
35	108	4.9	1219	2	US-08-486-273A-50	Sequence 50, Appl
36	108	4.9	1219	3	US-08-480-474-50	Sequence 50, Appl
37	108	4.9	1219	3	US-08-940-086A-50	Sequence 50, Appl
38	108	4.9	1219	4	US-08-940-035A-50	Sequence 50, Appl
39	108	4.9	1219	4	US-08-935-105A-50	Sequence 50, Appl
40	108	4.9	1219	4	US-09-648-797-50	Sequence 50, Appl
41	108	4.9	1239	2	US-08-231-193A-52	Sequence 52, Appl
42	108	4.9	1239	2	US-08-486-273A-52	Sequence 52, Appl
43	108	4.9	1239	3	US-08-480-474-52	Sequence 52, Appl
44	108	4.9	1239	3	US-08-940-086A-52	Sequence 52, Appl
45	108	4.9	1239	4	US-08-940-035A-52	Sequence 52, Appl

ALIGNMENTS

RESULT 1

US-08-628-829-4
; Sequence 4, Application US/08628829A
; Patent No. 6331170

; GENERAL INFORMATION:
; APPLICANT: Johnson, Gary L.

; TITLE OF INVENTION: Method And Product For Regulating Cell Responsiveness To Enter

; FILE REFERENCE: CPI-004DVC3

; CURRENT APPLICATION NUMBER: US/08/628,829A

; CURRENT FILING DATE: 1996-04-05

; EARLIER APPLICATION NUMBER: 08/440,421

; EARLIER FILING DATE: 1995-05-15

; EARLIER APPLICATION NUMBER: 08/323,460

; EARLIER FILING DATE: 1994-10-14

; EARLIER APPLICATION NUMBER: 08/049,254

; EARLIER FILING DATE: 1993-05-15

; EARLIER APPLICATION NUMBER: 08/410,602

; EARLIER FILING DATE: 1995-04-24

; EARLIER APPLICATION NUMBER: 08/472,934

; EARLIER FILING DATE: 1995-06-06

; NUMBER OF SEQ ID NOS: 25

; SOFTWARE: Patent In Ver. 2.0

; SEQ ID NO 4

; LENGTH: 1593

; TYPE: PRT

; ORGANISM: Mus musculus

US-08-628-829-4

Query Match 5.9%; Score 128; DB 4; Length 1593;
Best Local Similarity 21.2%; Pred. No. 0.0052;
Matches 87; Conservative 38; Mismatches 145; Indels 140; Gaps 19;

Qy	38	PFCGAQLMTQNPTLP	---	SVSHRSPGNAASVTGGDCHLPTTEEFGLVQSMKCDTV	94
Db	30	PHCFPPPTCAAPPAAPSRAPAGRRGPARARALGSSARPPTRPP	-----	-----	76
Qy	95	RIKVGLOGPTTAPLMTSEGNVTAEDEETRA	-----	---FVYAAASAAEAHWHLV	147
Db	77	---LRPPALSPPPSPAGTSECSPREKMAAAGDRASSGFFGMAAASPEA	-----	-----	125
Qy	148	LLSQIHEPIGSGGNIWTKGRSCONPALPS	-----	-----	193
Db	126	-----GGGG-----GGGALQSGAPAGAAGALLREPGSAGTSATGGGTCA	-----	-----	168
Qy	194	TRDNYHLITEEFGVWSQSMKWHSONKSGGS	-----	-----	242
Db	169	-----KCGWVS-----WTSCRSRSPPPRRRAHLLPVAGARGCRSESLPAR	-----	-----	213
Qy	243	ESFVPPTTPKENNKQERE	-----	---DENWRLP-----	286

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Db 214 AGPPPGGAARCSGSHSIAELAAARDGARSAGAPPPGAA-----APSGRENMENKTLKGL 268
QY 287 -----PLQIRPTATTIAGEPLGHCTETTFISPAFVHSLVNLKRKRKOLELLREVIEWPGRG-- 338
Db 269 HKMEDRPEERMIREKLA-----TCMPAKWKHEWLERNRGRGPVVVPIPIKGDGSE 319
QY 339 --HMAATCKLQVEGDQRTWSLAAAPV-REAPPP-----PTGASSPSPVPAL 382
Db 320 VNNLAA-----EPQEGQAGSAAPAPKGRRSPSPGSPSGRSVRKPSGPGV 364

RESULT 2
US-08-574-959A-9
; Sequence 9, Application US/08574959A
; Patent No. 5962224
; GENERAL INFORMATION:
; APPLICANT: Jaekyoon Shin, Insil Joung, Ratna K. Vadlamudi
; APPLICANT: and Jack L. Strominger
; TITLE OF INVENTION: p62 POLYPEPTIDES, RELATED POLYPEPTIDES
; TITLE OF INVENTION: AND USES THEREFOR
; NUMBER OF SEQUENCES: 22
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COCKFIELD
; STREET: 60 State Street, Suite 510
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02109-1875
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/574,959A
; FILING DATE: 19-DEC-95
; ATTORNEY/AGENT INFORMATION:
; NAME: Mandragouras, Amy E.
; REGISTRATION NUMBER: 36,207
; REFERENCE/DOCKET NUMBER: DFN-008
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617)227-7400
; TELEFAX: (617)227-5941
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 905 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-574-959A-9

Query Match 5.3%; Score 117; DB 2; Length 905;
Best Local Similarity 20.8%; Pred. No. 0.025;
Matches 93; Conservative 55; Mismatches 132; Indels 168; Gaps 25;

QY 5 SVVVLVCGMKQL-----GQALQA---SVLSIITENOGKRCPP----- 39
Db 234 SALILAGSRLREGIILGRLLPQVLSWSIGRDSLSPGQERPSTVTRKVYATLELVQ 293
QY 40 -CGAQ-----NLMTQCNPTLPSSHRSPPGNAAVSVTGGDCHLPTBEFG 83
Db 294 VCGASAGMLQGGASGEALLTHLLSDISPPADALKLRSPGSDGLQTGKPSAD----- 347
QY 84 VLQSMKCDIVIRKGVLOGTTAPP---LMTSEGNVTAEDTEE-AIRAFVYVAAASNAE 139
Db 348 ---KKLKLDV-----GEAMAPPSHLLLPVCPKPSASEKTALR-----SPLSCSE 390
QY 140 AWHWRHLVLLSGQIH-----EPIGSGNIIINTKGRSQCNPALPSP---DQSPSGNAT 190
Db 391 A---LVTCAALTHPRVPFLQMPG-----TCPTPA-PVPLLRPHRPSG-PH 431
QY 191 TSVTRONHLLTBEFGVWSQSMKW-----HSQNKSGSVFVRGPT--QEFCSSEQ----- 239

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Db 432 RSTLR-----APQWAPCQQAPCPQSAGPWPSPAGVPSPSEPTSTTANLLG 477
QY 240 -ILKSFVPPPT--PKENKQBEREDENWRLPPPPVAETPPVSPSPVTEIETPLQRIPTA 295
Db 478 LLSRPSVCPRLPLGPNHRAGSD-----PILAPSGTPTTPIPPDETGGVRPR-- 528
QY 296 TIAGEPLGHCTFTISPAFVHSLNKKRKOLELLLRVWPGRGHMAATCCKLQVGGQDRT 355
Db 529 -----PAFVH--YDKEAS-----DVE-----ISLESDDSDSV 554
QY 356 MSLAAPVREAPPPPTGASSEPSVPALP 383
Db 555 VIVPEGLPLPPPPPGGATPPPIAPTGP 582

RESULT 3
US-09-357-014-9
; Sequence 9, Application US/09357014
; Patent No. 6291645
; GENERAL INFORMATION:
; APPLICANT: Jaekyoon Shin, Insil Young, Ratna K. Vadlamudi
; and Jack L. Strominger
; TITLE OF INVENTION: p62 POLYPEPTIDES, RELATED POLYPEPTIDES
; AND USES THEREFOR
; NUMBER OF SEQUENCES: 22
; CORRESPONDENCE ADDRESS:
; ADDRESSER: LAHIVE & COCKFIELD
; STREET: 60 State Street, Suite 510
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02109-1875
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/357,014
; FILING DATE: 19-Jul-1999
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/574,959
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Mandragouras, Amy E.
; REGISTRATION NUMBER: 36,207
; REFERENCE/DOCKET NUMBER: DFN-008
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617)227-7400
; TELEFAX: (617)227-5941
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 905 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 9:
US-09-357-014-9

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Query Match          5.3%; Score 117; DB 4; Length 905;
Best Local Similarity 20.8%; Pred. No. 0.025;
Matches 93; Conservative 55; Mismatches 132; Indels 168; Gaps 25;

QY 5 SVVVLVCGMKOL-----GQALQA---SVLSLITENOGKRCFP----- 39
| : : | | : | : : : : : : : : : : : : : : : : : : : : : : : :
Db 234 SALLIACGSRLLFGLIIGRLLPQVLNSWISGRDLSFGQERPYSTVTKVYATLELWVQ 293
| : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :

QY 40 -CGAQ-----NLMTQNPTLPFSVSHRSPGNAAVSVTGGDCHLPTEEEFG 83
| | | : : : : : : : : : : : : : : : : : : : : : : : :
Db 294 VCGASAGMLGGASGEALLTHLLDISPADALKLRSPRGSDGSLQTGKPSAP----- 347
| : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :

QY 84 VLVSQMKCDTVRIKGVLLQGPTTAP---LMTSEGNVTAEETEE-AIRAFVYVAAASAAE 139
| : : | : | | | | : : : : : : : : : : : : : : : : : : : : : :

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Query Match      5.3%; Score 117; DB 2: Length 905;
Best Local Similarity 20.8%; Pred. No. 0.025;
Matches 93; Conservative 55; Mismatches 132; Indels 168; Gaps 25;

QY      5  SVVVLVCGMKOL-----GQALQA---SVLSLITENQGRCPF----- 39
      | : | | | | | | | | | | | | | | | | | | | | | | | | | |
Db      234  SALTACGSRLLRFGIILIGLLPOVLNWSIGRDSLSPGQERPYSTVTRTKVYAILELWVQ 293
      | : | | | | | | | | | | | | | | | | | | | | | | | | | |

QY      40  -CGAQ-----NLMTQCQPTLFSVSHRSPPGNAASVTCGGDCHLPTEEFG 83
      | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Db      294  VCGASAGMIQGGASGEALLTHLLSDISPPADALKLRSPGDSLQTGKPSAP----- 347
      | | | | | | | | | | | | | | | | | | | | | | | | | | | |

QY      84  VLVQSMKCDVRKGVLOGFTTAPP---LMTSEGNVTAETEE-AIRAFVAVAAASAAE 139
      : : | | | | | | | | | | | | | | | | | | | | | | | | | |

Db      348  ---KKLKLDY-----GEAMAPPSHLLFPVCPKSPSASEKTALR-----SPLSCSE 390
      | | | | | | | | | | | | | | | | | | | | | | | | | | | |

QY      140  AWHRHRLVLLSGOIH-----EPITGSGNIINTNKGRCQONPALPSP---DQSPSGNAT 190
      | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Db      391  A-----LVTCALTHPRVPPLQMPG-----TCPTPA-PVPLLRPHRPSG-PH 431
      | | | | | | | | | | | | | | | | | | | | | | | | | | | |

QY      191  TSVTRDNYHLLTTEEFVWVSQSMKW-----HSQNKSGGSPVPRGPT-QEPCSESQ----- 239
      | : | | | | | | | | | | | | | | | | | | | | | | | | | |

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Db 348 ---KKKLVDV-----GEAMAPSHLLLPVCKPSPSASEKIALR-----SPLSCSE 390
QY 140 AMHWRHLVLLSQIH-----EPISGGNIINTNKGGRSQNPAISP-----DQSPSGNAT 190
Db 391 A-----LVTCAALTRVPPVLPQMGF-----TCPTPA-PVLLRPHRPSG-PH 431
QY 191 TSVTRDNYHLLTEEFVWGSOMKW-----HSQNKSGSVPRGPT-QEPCSESO----- 239
Db 432 RSILR-----APCQWAPCQQAQPCPSAGPMPSPAGVPSEPTSTTANLLG 477
QY 240 -ILKESFVPPPT---PKENNKOERDENWRLPPPVATPVPSVYETIEPLQIRPTA 295
Db 478 LLSRPSVCPRLPLPGFENHRAGSNED-----PILAPSGTPPTTIPDETGGRVPR-- 528
QY 296 TIAGEPLGCHCTTISPAPVSHVNLKRRQLELLREVEWPGRGHMAATCCCKLOVEGQDRT 355
Db 529 -----PAFVH-YDKEEAS-----DVE-----ISLESDDSV 554
QY 356 MSAAAPVREAPPTGASSPSPSPALP 383
Db 555 VIVPGLPPLPPPPSGATPPPIAPTGP 582
RESULT 4
US-09-150-460B-6
; Sequence 6, Application US/09150460B
; Patent No. 6190882
; GENERAL INFORMATION:
; APPLICANT: Lee, Cheng-Chi
; APPLICANT: Albrecht, Urs
; APPLICANT: Eichele, Gregor
; APPLICANT: Sun, Zhong Sheng
; TITLE OF INVENTION: Mammalian Circadian Rhythm-Like Gene
; FILE REFERENCE: D6039
; CURRENT APPLICATION NUMBER: US/09/150.460B
; CURRENT FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: US 60/058,256
; PRIOR FILING DATE: 1997-09-09
; NUMBER OF SEQ ID NOS: 21
; SEQ ID NO 6
; LENGTH: 1290
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: Protein sequence corresponding to RIGUI 4.7; Gene Bank
; OTHER INFORMATION: Accession Number: AF022991
US-09-150-460B-6
Query Match 5.3%; Score 116.5; DB 4; Length 1290;
Best Local Similarity 19.0%; Pred. No. 0.046;
Matches 89; Conservative 43; Mismatches 147; Indels 189; Gaps 19;
QY 36 KCPFCGA--QNLMTCNTFLSVSRSPGNAVSVTGGD----- 73
Db 576 RLPAATGTFKAKALPCQSPD-PELEAGSAPVOALPVEAEKKEASSCSYQQINCLDSI 634
QY 74 -----CHLPTEEEGVLVQSKC-----DTVRIKGVLOGPTTAPPLMTSE 113
Db 635 LRYLESCLNP-----TTRKRCASSSYTSSASDDDRQRTGVPVSGTKKDPSSAALS 687
QY 114 GNVTAEDTEEAIRAFVYVAAASAAEAHWRHLVLLSQ-----IHEPIGS-----GN 162
Db 688 GEGATPRPEVVGGLSPALANKAES-----VSVTSQCSFSSIVH--VGDKKPPESD 740
QY 163 IINTNKGGRSQNPA---LPS-----PDQSPGNATTSVTRONYHLLTSEE----- 205
Db 741 IIMMEDPLGAPGAPSPAPTAPDPADPAAYRVPGLTKAVLSLHTQKEQAFLSFRD 800
QY 206 -----EGWQSOMKWHSONKSGSVPRGVTQE-PCSESQIL 241
Db 801 LGRRLGLSSSTAPSALGERCHHGHPAPPSRRHHCRSAKAKRRHQNRAEAPCVYSH-- 858
QY 242 KESFVPPTTPKENNKQERDENWRLPPPPVAETPVPS-----PSV 281

Db 859 -PSPVPPSTP-----W-----PTPPATTPFAVVQVPLPVSPRGGPQLPAP 902
QY 282 TEIETPLORIPRTATIAIEGLCHCTFTTSPAFVSHVNLKRRQLELLREVEWPGRGHMA 341
Db 903 TSVPPAAPAPLIVTMPVALVLPNLYLFTPTPPSYFY----- 936
QY 342 ATCCCKLQVEGQDRTMSLAAAPVREAPPPTGASSPSPSPALPGADPQR 389
Db 937 -----GADQTPA-----EGPPTPASHSPSPSLPALPPSPPHR 968
RESULT 5
US-08-928-361B-30
; Sequence 30, Application US/08928361B
; Patent No. 6071518
; GENERAL INFORMATION:
; APPLICANT: Petersen, Carolyn
; TITLE OF INVENTION: PEPTIDES, POLYPEPTIDES, GLYCOPROTEINS,
; TITLE OF INVENTION: THEIR FUNCTIONAL MUTANTS, VARIANTS, ANALOGS AND FRAGMENTS
; TITLE OF INVENTION: FOR TREATMENT AND DETECTION/DIAGNOSIS OF CRYPTOSPORIDIUM
; TITLE OF INVENTION: SPECIES INFECTIONS
; NUMBER OF SEQUENCES: 30
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: PETERS, VERNY, JONES & BIKSA
; STREET: 385 Sherman Avenue, Suite 6
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94306-1840
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/928.361B
; FILING DATE: 12-SEP-1997
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/026,062
; FILING DATE: 13-SEP-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Verdy, Hana
; REGISTRATION NUMBER: 30,518
; REFERENCE/DOCKET NUMBER: 480.76-1(HV)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-324-1677
; TELEFAX: 650-324-1678
; INFORMATION FOR SEQ ID NO: 30:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1043 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-928-361B-30
Query Match 5.1%; Score 111.5; DB 3; Length 1043;
Best Local Similarity 21.6%; Pred. No. 0.1;
Matches 87; Conservative 46; Mismatches 140; Indels 129; Gaps 18;
QY 56 VSHRSPPGNAASVTVGGDCH-----LPTEEEFGLVQSKMCDTVRIKGVLOGPTTAPPLMT 111
Db 270 VSKRPIPGSIA-----GDLNPIKMTPTQ-----TDSVTGKPIDPTTGLPFPN 311
QY 112 SEG---NVTAEDETAIRAFVYVAAASAAEAHWRHLVL-----LS 150
Db 312 PTGHLINNTNNTMDSFAGAYKAVSNGIKTDNVGLPVGEITGLPKDPSDIDFNSTT 371
QY 151 QOIHEPIGSGGNIINTNKGGRSQNPAISP-----ATTSVTRD-NYHLLTEEEF 206
Db 372 GELVDP--STGKFINNSTAGIVSGKPLP-PIEDENGLNLFDPSTNLPIDGNLNQVNPETN 428

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Db   1262 -----TGLPRDPVSGLPQLFNGLVDPSNKKPIPGS 1292


RESULT 7
US-08-928-361B-6
; Sequence 6, Application US/08928361B
; Patent No. 6071518
; GENERAL INFORMATION:
; APPLICANT: Petersen, Carolyn
; TITLE OF INVENTION: PEPTIDES, POLYPEPTIDES, GLYCOPROTEINS,
; TITLE OF INVENTION: THEIR FUNCTIONAL MUTANTS, VARIANTS, ANALOGS AND FRAGMENTS
; TITLE OF INVENTION: FOR TREATMENT AND DETECTION/DIAGNOSIS OF CRYPTOSPORIUM
; TITLE OF INVENTION: SPECIES INFECTIONS
; NUMBER OF SEQUENCES: 30
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: PETERS, VERNY, JONES & BIKSA
; STREET: 385 Sherman Avenue, Suite 6
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94306-1840
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/928,361B
; FILING DATE: 12-SEP-1997
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/026,062
; FILING DATE: 13-SEP-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Verny, Hana
; REGISTRATION NUMBER: 30,518
; REFERENCE/DOCKET NUMBER: 480.76-1(HV)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-324-1677
; TELEFAX: 650-324-1678
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1721 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-928-361B-6

Query Match          5.1%; Score 111.5; DB 3; Length 1721;
Best Local Similarity 21.6%; Pred. No. 0.21;
Matches      87; Conservative    46; Mismatches 140; Indels 129; Gaps 18;

Qy       56 VSHRSPGNAAVSVTGDCD-----LPTEEFGVLVSOMKCDTVRIKGVLQGPTAPPLMT 111
        ||| ||| :||| :||| :||| :||| :||| :||| :||| :||| :||| :||| :||| :|||
Db       948 VKRPPIPSTIA----GDLPINKTKTPQT-----TDSVTGKPIDPDTTGLPFNP 989

Qy       112 SEG---NVTAEDTEEAFRYAAYAAASAEAHWRHLVL-----LS 150
         | | | :| | :| | :| | :| | :| | :| | :| | :| | :| | :| | :| |
Db       990 PTGHLLIPTNNNTMDDSFAGAIYAIVSNIGKITONVYLGPVGEGITGLPKDGSDIPPNSTT 1049

Qy       151 GOHEPIGGGNINTNKGRSCONPALPDSPGSNGN---ATTSVTRD-NVHLLTEEF 206
        |:| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :|
Db       1050 GELVP--STGKPINNSTAGIVSGKGCLP-PIDEENGNLFDPSTNLPIDGNLNLYNPETN 1106

Qy       207 GWWSQSMMKWHSQNKSQGVFPVRG-----PTQPESSESILKES-FVPPTT-----PKEN-- 254
        + |+ | :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :|
Db       1107 STVSGTSGTTKPKG--IPVNGGVVPDEAKDKGKDGLVIPPTNSINKDPVTNQ 1164

Qy       255 -----NKQRDENWRLPPPVVAETPPSPSYVEI 284
        + | :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :|
Db       1165 YSNRTGTNIINPETGKVIPGSLGPSNYPSNTQQTDITGKRDVTGTLPLY-DPSTGEI 1223
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Db      652 TDHTYLSSTFTKGERALLSITDNSSSDIVESSTSYI-KISNSHSEYSGFSHAQTERSN 710
Qy      146 LVLLSQIHEPIGSGNIINTKGRSCONPALP-PPQSPSGN-ATTSVTRDNYHLL 201
Db      711 ISSYDGEYQAP-----STESPLVHTSNLPSYTPTIMNPMTSVLID----- 750
Qy      202 TEEFGVWQSQMKWHSONKSGSVVRGPTOBPCSESOILKESFVPTTPKENNKQBERED 261
Db      751 TDAEFYLDSSSSSSSSSSSGGPLPLPS--VSQSHHLEFSSILPSTRASVHLLKSTSD 807
Qy      262 EN-WKLPPPP-----VAETPVSPSVTEI-----ETPLQRIPTRTATIAGE 300
Db      808 ASTPWSPPSPPLVSLTSTAPLSVSQTTLPQSSSTPVLPRARETPVTSP-QTSTMT-- 864
Qy      301 PLGHCTTTSFPAFVHVLNKRKROLELLRLLEVIEWPGRGHMAATCKLQVEGQDFTMSLAA 360
Db      865 -----SFTMLHESQTAADLK-----SQSTPHQEKVITESKPSPLVS 900
Qy      361 APVREA-----PPPTGASPEPSVPA 381
Db      901 LPTESTKAVTNSPLPPLSTESTEQTLPA 930

RESULT 9
US-08-599-654-40
; Sequence 40, Application US/08599654
; Patent No. 5882925
; GENERAL INFORMATION:
; APPLICANT: FALB, DEAN A
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE
; TREATMENT AND DIAGNOSIS OF CARDIOVASCULAR DISEASE
; NUMBER OF SEQUENCES: 54
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: PENNIE & EDMONDS
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/599,654
; FILING DATE: 09-FEB-1996
; CLASSIFICATION: 800
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/485,573
; FILING DATE: 07-JUN-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/386,844
; FILING DATE: 10-FEB-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: CORUZZI, LAURA A
; REGISTRATION NUMBER: 30,742
; REFERENCE/DOCKET NUMBER: 7853-041
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-8864
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 40:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1481 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: unknown
; MOLECULE TYPE: protein
US-08-599-654-40
Query Match      5.1%; Score 111; DB 2; Length 1481;

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Best Local Similarity 18.7%; Pred. No. 0.19;
Matches 84; Conservative 74; Mismatches 156; Indels 136; Gaps 19;

QY 14 KOLGOALQASVLSITITENOGKRCPCFCAQNL-----MTCQNPTLPVSVSHRPPGNA 65
DB 535 REPGQALGDS---SANAEDRTSGVPSLGTHTLATVTGNGERTLRSVTLTNTSMSTSGEA 591
QY 66 A-----VSVTGGDCHLPTEEEFGLVQSMKCDT-VRIKGVLOGPTTAP----- 107
DB 592 GSPAAAMPQETEGASLHVNVTDMDGLVSRSLAASSALGVAGISYGVRCGTALERTSSDH 651
QY 108 -----PLMTSEGNVTAETEAIRAFVAVAAASAAEAHWRH----- 145
DB 652 TDHTYLSSTFTKGERALLSITDNSSSDIVESSTSYI-KISNSSHSEYSSFSHAQTERS 710
QY 146 LVLLSGQIHEPIGSGNIINTNKGRCQNPALPS---PDQSPGN-ATTSVTRDNYHLL 201
DB 711 ISSYDGEYAQP-----STESPVLTNSLPSTYPTINMPTNSVLD----- 750
QY 202 TEEFVGMVQSMKWHSONKSGSVVPRGPTQPCSESQILKESFYPTTPKENNKQERD 261
DB 751 TDAEFVDSDDSSSSSSSSSGPPLPLPS---VSQSHHLPSSILPSTRASVHLLKSTSD 807
QY 262 EN--WRLPPPP-----VAETPVSPSVTEI-----ETPLQRIPTATIAGE 300
DB 808 ASTPWSSSPPLPVSLTITSTAPLSVSQTTLPQSSSTPVLPRARETPVTSF--QTSTMT-- 864
QY 301 PLGHCTFTISPAFVHVLNKRKROLELLREVWPGRGHMAATCKLOVEGODRTMSLAA 360
DB 865 -----SFTMLHSSQTADLK-----SQSTPHQEKVITESKSPSLVS 900

QY 361 APVREA-----PPPTGASSEPSVPA 381
DB 901 LPTSTKAVTNSPLPPSLTESSTEQTLPA 930

RESULT 11
US-08-944-423A-40
; Sequence 40, Application US/08944423A
; Patent No. 6020463
; GENERAL INFORMATION:
; APPLICANT: FALB, DEAN A
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE
; TREATMENT AND DIAGNOSIS OF CARDIOVASCULAR DISEASE
; NUMBER OF SEQUENCES: 54
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: PENNIE & EDMONDS
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: WINDOWS 95
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/944,423A
; FILING DATE: 06-OCT-1997
; CLASSIFICATION:

QY 14 KOLGOALQASVLSITITENOGKRCPCFCAQNL-----MTCQNPTLPVSVSHRPPGNA 65
DB 535 REPGQALGDS---SANAEDRTSGVPSLGTHTLATVTGNGERTLRSVTLTNTSMSTSGEA 591
QY 66 A-----VSVTGGDCHLPTEEEFGLVQSMKCDT-VRIKGVLOGPTTAP----- 107
DB 592 GSPAAAMPQETEGASLHVNVTDMDGLVSRSLAASSALGVAGISYGVRCGTALERTSSDH 651
QY 108 -----PLMTSEGNVTAETEAIRAFVAVAAASAAEAHWRH----- 145
DB 652 TDHTYLSSTFTKGERALLSITDNSSSDIVESSTSYI-KISNSSHSEYSSFSHAQTERS 710
QY 146 LVLLSGQIHEPIGSGNIINTNKGRCQNPALPS---PDQSPGN-ATTSVTRDNYHLL 201
DB 711 ISSYDGEYAQP-----STESPVLTNSLPSTYPTINMPTNSVLD----- 750
QY 202 TEEFVGMVQSMKWHSONKSGSVVPRGPTQPCSESQILKESFYPTTPKENNKQERD 261
DB 751 TDAEFVDSDDSSSSSSSSSGPPLPLPS---VSQSHHLPSSILPSTRASVHLLKSTSD 807
QY 262 EN--WRLPPPP-----VAETPVSPSVTEI-----ETPLQRIPTATIAGE 300
DB 808 ASTPWSSSPPLPVSLTITSTAPLSVSQTTLPQSSSTPVLPRARETPVTSF--QTSTMT-- 864
QY 301 PLGHCTFTISPAFVHVLNKRKROLELLREVWPGRGHMAATCKLOVEGODRTMSLAA 360
DB 865 -----SFTMLHSSQTADLK-----SQSTPHQEKVITESKSPSLVS 900

QY 361 APVREA-----PPPTGASSEPSVPA 381
DB 901 LPTSTKAVTNSPLPPSLTESSTEQTLPA 930

RESULT 10
US-08-944-868A-40
; Sequence 40, Application US/08944868A
; Patent No. 6018025
; GENERAL INFORMATION:
; APPLICANT: FALB, DEAN A
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE
; TREATMENT AND DIAGNOSIS OF CARDIOVASCULAR DISEASE
; NUMBER OF SEQUENCES: 54
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: PENNIE & EDMONDS
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/944,868A
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/599,654
; FILING DATE:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/386,844
; FILING DATE: 10-FEB-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: CORUZZI, LAURA A
; REGISTRATION NUMBER: 30,742
; REFERENCE/DOCKET NUMBER: 7853-041
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
```


Db 754 YGIAMQKDSHWKRAIDLALLOFLGDSGTQKLETVMWLSGICQNEKN--EVMSSKLDI--DN 809

QY 121 TEEAIRAFVYAAASAAEAW----HW--RHLVLLSGOIHPIGSGGNIINTNKGRSCQ 174

Db 810 MGVFYMILLVAMGLALLVFAWEHLVYKLRHSPVNSSQLDFLAFSRGIYSCFSGVQSLA 869

QY 175 N-PALPSPDQSPSGNATTSV-----TRDNYHLLTEEEFGVMSQSMKWHs-----QNKSGGS 224

Db 870 SPPRQASPDLTAS--SAQASVLKILQAARD---MVTTA--GV--SNSIDRATRTRIENWGGGR 922

QY 225 VVVRGPTQEPSCSESOILKESFVPPPTPKENNKQREDENW-----RLPPPPVAE 273

Db 923 ---RAPPSPCPTPR-----SGSPCLPTDPPPEPSPGMDGGRALVRRAPQPPGR 975

QY 274 TPVPSVSTEIETPLQRIPTRTIAGEPLGHCTFTISPAFVHSLVNLKRRKQLELLREVE 333

Db 976 PPTGPPPLSDV-----SRVSR-----RPAW-----EAR 998

QY 334 WPGR-GHMAATCKLQVEGQDRTMSLAAPVREAPPPPTGASSEPSVPALPGADPQSAE 392

Db 999 WPVRTGH-----CGRHLSASERPLS--PARCHYSSFPRADRSGRPFPLPFP--EPEPEL 1049

QY 393 LLLAVTREGLERR 406

Db 1050 LPLLG--PEQLARR 1061

RESULT 15

US-08-480-474-48

; Sequence 48, Application US/08480474

; Patent No. 6033865

; GENERAL INFORMATION:

; APPLICANT: Daggett, Lorrie P.

; APPLICANT: Ellis, Steven B.

; APPLICANT: Liaw, Chen W.

; APPLICANT: Lu, Chin-Chun

; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR SUBUNITS, DNA ENCODING

; TITLE OF INVENTION: SAME AND USES THEREFOR

; NUMBER OF SEQUENCES: 54

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Brown, Martin, Haller & McClain

; STREET: 1660 Union Street

; CITY: San Diego

; STATE: CA

; COUNTRY: U.S.A.

; ZIP: 92101-2926

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/480,474

; FILING DATE: 06-JUN-1995

; CLASSIFICATION: 536

; ATTORNEY/AGENT INFORMATION:

; NAME: Seidman, Stephanie

; REGISTRATION NUMBER: 33,779

; REFERENCE/DOCKET NUMBER: 6362-9382B

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 619-238-0999

; TELEFAX: 619-238-0062

; INFORMATION FOR SEQ ID NO: 48:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 1231 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

; MOLECULE TYPE: protein

US-08-480-474-48

Query Match 5.0%; Score 108.5; DB 3; Length 1231;

Best Local Similarity 22.4%; Pred. No. 0.25;

Matches 97; Conservative 50; Mismatches 164; Indels 123; Gaps 27;

QY 21 QASVSLSIITENOGKRCPF---CGAQNLMT-----CQNTPLPSVSHRSPPGAAYSVTGG 72

Db 703 QRSVEDALTSLKMGKLDAFIYDAAVLNVMAGKDECKLVTI-----GSGKVFATG 753

QY 73 -----DCHLPTEEFGLV-----QSMKCDTVRIKGVLOGPTTAPPLMTSEGNVTAED 120

Db 754 YGIAMQKDSHWKRAIDLALLOFLGDSGTQKLETVMWLSGICQNEKN--EVMSSKLDI--DN 809

QY 121 TEEAIRAFVYAAASAAEAW----HW--RHLVLLSGOIHPIGSGGNIINTNKGRSCQ 174

Db 810 MGVFYMILLVAMGLALLVFAWEHLVYKLRHSPVNSSQLDFLAFSRGIYSCFSGVQSLA 869

QY 175 N-PALPSPDQSPSGNATTSV-----TRDNYHLLTEEEFGVMSQSMKWHs-----QNKSGGS 224

Db 870 SPPRQASPDLTAS--SAQASVLKILQAARD---MVTTA--GV--SNSIDRATRTRIENWGGGR 922

QY 225 VVVRGPTQEPSCSESOILKESFVPPPTPKENNKQREDENW-----RLPPPPVAE 273

Db 923 ---RAPPSPCPTPR-----SGSPCLPTDPPPEPSPGMDGGRALVRRAPQPPGR 975

QY 274 TPVPSVSTEIETPLQRIPTRTIAGEPLGHCTFTISPAFVHSLVNLKRRKQLELLREVE 333

Db 976 PPTGPPPLSDV-----SRVSR-----RPAW-----EAR 998

QY 334 WPGR-GHMAATCKLQVEGQDRTMSLAAPVREAPPPPTGASSEPSVPALPGADPQSAE 392

Db 999 WPVRTGH-----CGRHLSASERPLS--PARCHYSSFPRADRSGRPFPLPFP--EPEPEL 1049

QY 393 LLLAVTREGLERR 406

Db 1050 LPLLG--PEQLARR 1061

Search completed: December 25, 2002, 01:15:02

Job time : 34 secs

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